

2023 Power Electronics and Energy Conversion Workshop
Sponsored by Sandia National Laboratories, UNM, NM State, UT Austin
August 2-3, 2023
5121 Masthead St NE, Albuquerque, NM 87109 (State Bar of NM)

Session 0: Opening Remarks and DOE/DoD Program Managers

Wednesday, August 2, 8:00AM - 10:15AM MT

Session 1: Electrification of everything – electricity delivery and the future grid

Co-Chairs: Michael Ropp (Sandia), Richard Fioravanti (Quanta)

Wednesday, August 2, 10:30AM-12:00PM MT

Session 2: Solid-State Transformers: Grid Applications and Roadblocks

Co-Chairs: Ali Bidram (UNM), Steve Glover (Sandia), Alex Huang (UTA), Stan Atcitty (Sandia)

Wednesday, August 2, 1:00PM-2:30PM MT

Session 3: Medium Voltage Circuit Topologies and Controls

Co-Chairs: Jack Flicker (Sandia), Jacob Mueller (Sandia)

Wednesday, August 2, 2:45PM-4:30PM MT

Evening Reception

Wednesday, August 2, 5:00PM-6:30PM MT

Session 4: Semiconductor Materials

Co-Chairs: Bob Kaplar (Sandia)

Thursday, August 3, 8:00AM - 10:00AM MT

Session 5: Passives

Co-Chairs: Todd Monson (Sandia), Jane Lehr (UNM)

Thursday, August 3, 10:15AM – 12:00PM MT

Session 6: Packaging and Manufacturing; and Supply Chain, Power Density and Thermal Modeling

Co-Chairs: Lee Gill (Sandia), Luke Yates (Sandia), Lee Rashkin (Sandia)

Thursday, August 3, 1:00PM - 2:30PM MT

Session 7: R&D Gaps and Business Opportunities

Chair: Richard Baxter (Mustang Prairie Energy)

Thursday, August 3, 2:45PM – 4:45PM MT

Closing Remarks

Thursday, August 3, 4:45PM MT